

Fiber outdoor drop cable, LightScope ZWP® Self-Supporting All-Dielectric, Singlemode G.652.D and G.657.A1, 12 fiber Arid Core construction, Gel-filled, central loose tube, no ripcords, Feet jacket marking, Black jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber drop cable
Product Series	O-DF

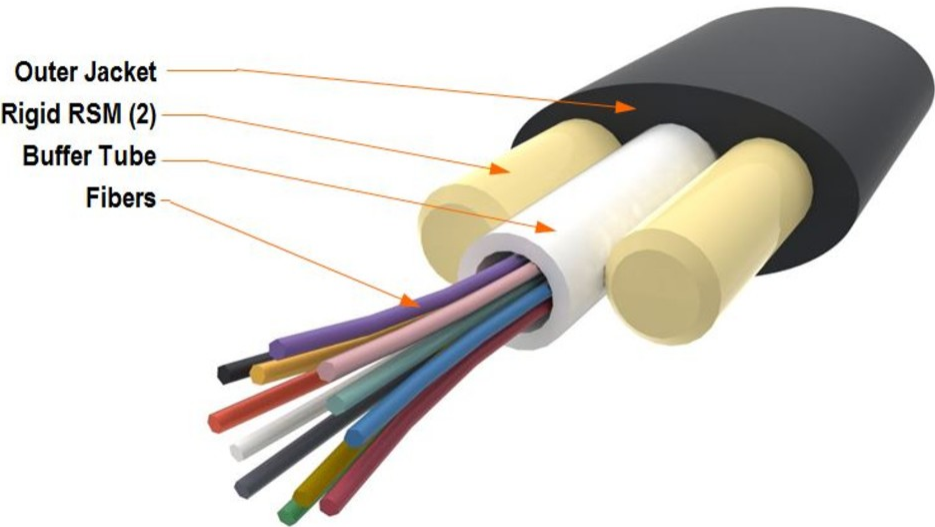
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Feet
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE OPTICAL CABLE OS2 SM (FIBER COUNT)F (SERIAL NUMBER) MM/YYYY (HANDSET SYMBOL) XXXXXX FT
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Height Over Jacket	4.3 mm 0.169 in
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	8 mm 0.315 in

Representative Image



Material Specifications

Jacket Material	PE
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Mechanical Specifications

Minimum Bend Radius, loaded	86 mm 3.386 in
Minimum Bend Radius, unloaded	81 mm 3.189 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1334 N 299.895 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	2.94 N-m 26.021 in lb
Impact Test Method	FOTP-25 IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7
Vertical Rise, maximum	1047 m 3,435.039 ft

Optical Specifications

Fiber TypeG.652.D and G.657.A1 | G.652.D and G.657.A1

Environmental Specifications

Installation temperature-30 °C to +70 °C (-22 °F to +158 °F)

Operating Temperature-40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature-40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification StandardsANSI/ICEA S-110-717

Environmental SpaceAerial, self-support | Buried

Jacket UV ResistanceUV stabilized

Water Penetration24 h

Water Penetration Test MethodFOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze-2 °C | 28.4 °F

Cable Freeze Test MethodFOTP-98 | IEC 60794-1 F15

Drip70 °C | 158 °F

Drip Test MethodFOTP-81 | IEC 60794-1 E14

Heat Age-40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test MethodIEC 60794-1 F9

Low High Bend-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test MethodFOTP-37 | IEC 60794-1 E11

Temperature Cycle-40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test MethodFOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight39 kg/km | 26.207 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

UK-ROHS

Compliant



Included Products

CS-8W-250-EMEA – LightScope ZWP® Singlemode Fiber
250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable